NC/QC/YPD/2019-20/P3-C1 **Date: 02-07-2019**

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Package1 a Improvements to playgrounds at Thanisandra Village at Ward No 06 b Improvements to Suvarana Mahotsava Play Ground on Vidyaranyapura Main road at Ward No 09 c Improvements to playgrounds at Ward No 11 Kuvempunagarad Developmental Works to Play ground stadium in Ward No 05 Jakkur e Developmental works to Play ground Stadium Sahakaranagara Ward No 08 Kodigehalli.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Arun Kumar B.

PHYSICAL TESTS ON CEMENT

Brand : ULTRATECH
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**172 min**	Shall not be less than 30 min
2	Final setting time	**285 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**1.85 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.21 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.46 N/Sq mm**	Shall not be less than 27 N/Sqmm

K.R
KIRAN. R
M.E, (Civil-Engg)

Page No. 1/1,

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP

For Newzen Consultants Bangalore

NC/QC/YPD/2019-20/P3-PCC1

Date: 02-07-2019

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: Package1 a Improvements to playgrounds at Thanisandra Village at Ward No 06 b Improvements to Suvarana Mahotsava Play Ground on Vidyaranyapura Main road at Ward No 09 c Improvements to playgrounds at Ward No 11 Kuvempunagarad Developmental Works to Play ground stadium in Ward No 05 Jakkur e Developmental works to Play ground Stadium Sahakaranagara Ward No 08 Kodigehalli.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Arun Kumar B.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	67.15	0 -20	30- 70
10mm	32.90	0 -5	10- 35
4.75mm	4.05	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	98.15	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	84.25	60-95	75-100	85-100	
01.18	74.20	30-70	55-90	75-100	
600.mic	39.65	15-34	35-59	60-79	
300.mic	16.20	5-20	8-30	12-40	
150.mic	7.15	0-10	0-10	0-10	

K.R
KIRAN. R
M.E, (Civil-Engg)

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP

For Newzen Consultants Bangalore
Proprietor

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/YPD/2019-20/P3-C2

Date: 06-07-2019

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Package1 a Improvements to playgrounds at Thanisandra Village at Ward No 06 b Improvements to Suvarana Mahotsava Play Ground on Vidyaranyapura Main road at Ward No 09 c Improvements to playgrounds at Ward No 11 Kuvempunagarad Developmental Works to Play ground stadium in Ward No 05 Jakkur e Developmental works to Play ground Stadium Sahakaranagara Ward No 08 Kodigehalli.}
Ref.: Material testing/PMC/18-19,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. Arun Kumar B.

PHYSICAL TESTS ON CEMENT

Brand : ULTRATECH
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**176 min**	Shall not be less than 30 min
2	Final setting time	**280 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**1.79 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.16 mm**	Shall not be more than 10 mm
5	Compressive strength b) 3 days (average of three results)	**29.40 N/Sq mm**	Shall not be less than 27 N/Sqmm

K.R
KIRAN. R
M.E, (Civil Engg)

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

For Newzen Consultants Bangalore

Director

NEWZEN CONSULTANT BANGALORE, #13,10th MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/YPD/2019-20/P3-PCC2 **Date: 06-07-2019**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: Package1 a Improvements to playgrounds at Thanisandra Village at Ward No 06 b Improvements to Suvarana Mahotsava Play Ground on Vidyaranyapura Main road at Ward No 09 c Improvements to playgrounds at Ward No 11 Kuvempunagarad Developmental Works to Play ground stadium in Ward No 05 Jakkur e Developmental works to Play ground Stadium Sahakaranagara Ward No 08 Kodigehalli.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Arun Kumar B.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	64.15	0 -20	30- 70
10mm	32.65	0 -5	10- 35
4.75mm	4.35	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	97.25	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	84.90	60-95	75-100	85-100	
01.18	58.35	30-70	55-90	75-100	
600.mic	47.10	15-34	35-59	60-79	
300.mic	16.70	5-20	8-30	12-40	
150.mic	7.40	0-10	0-10	0-10	

K. R
KIRAN. R
M.E, (Civil-Engg)

Asst. Executive Engineer
Project Division
Yelahanka Zone

For Newzen Consultants Bangalore

Proprietor

NEWZEN CONSULTANT BANGALORE-#13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/YPD/2019-20/P3-C3 **Date: 12-07-2019**

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Package1 a Improvements to playgrounds at Thanisandra Village at Ward No 06 b Improvements to Suvarana Mahotsava Play Ground on Vidyaranyapura Main road at Ward No 09 c Improvements to playgrounds at Ward No 11 Kuvempunagarad Developmental Works to Play ground stadium in Ward No 05 Jakkur e Developmental works to Play ground Stadium Sahakaranagara Ward No 08 Kodigehalli.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Arun Kumar B.

PHYSICAL TESTS ON CEMENT

Brand : ULTRATECH
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**170 min**	Shall not be less than 30 min
2	Final setting time	**275 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**1.92%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.13 mm**	Shall not be more than 10 mm
5	Compressive strength c) 3 days (average of three results)	**28.52 N/Sq mm**	Shall not be less than 27 N/Sqmm

Page No. 1/1,

KIRAN. R
M.E, (Civil-Engg)

Asst. Executive Engineer
Project Division
Yelahanka Zone

For Newzen Consultants Bangalore

Proprietor

NC/QC/YPD/2019-20/P3-PCC3 Date: 12-07-2019

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: Package1 a Improvements to playgrounds at Thanisandra Village at Ward No 06 b Improvements to Suvarana Mahotsava Play Ground on Vidyaranyapura Main road at Ward No 09 c Improvements to playgrounds at Ward No 11 Kuvempunagarad Developmental Works to Play ground stadium in Ward No 05 Jakkur e Developmental works to Play ground Stadium Sahakaranagara Ward No 08 Kodigehalli.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Arun Kumar B.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	85-100	90 – 100
20mm	**66.90**	0 -20	30- 70
10mm	**33.40**	0 -5	10- 35
4.75mm	**3.25**	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**97.85**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**84.25**	60-95	75-100	85-100	
01.18	**73.20**	30-70	55-90	75-100	
600.mic	**36.95**	15-34	35-59	60-79	
300.mic	**17.85**	5-20	8-30	12-40	
150.mic	**6.35**	0-10	0-10	0-10	

KIRAN. R
M.E. (Civil-Engg)

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

For Newzen Consultants Bangalore
Proprietor

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA
JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/YPD/2019-20/P3-C4 Date: 20-07-2019

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Package1 a Improvements to playgrounds at Thanisandra Village at Ward No 06 b Improvements to Suvarana Mahotsava Play Ground on Vidyaranyapura Main road at Ward No 09 c Improvements to playgrounds at Ward No 11 Kuvempunagarad Developmental Works to Play ground stadium in Ward No 05 Jakkur e Developmental works to Play ground Stadium Sahakaranagara Ward No 08 Kodigehalli.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Arun Kumar B.

PHYSICAL TESTS ON CEMENT

Brand : ULTRATECH
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**168min**	Shall not be less than 30 min
2	Final setting time	**285min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**1.83 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.17 mm**	Shall not be more than 10 mm
5	Compressive strength d) 3 days (average of three results)	**29.52 N/Sq mm**	Shall not be less than 27 N/Sqmm

KIRAN. R
M.E, (Civil-Engg.)

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

For Newzen Consultants Bangalore
Proprietor

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/YPD/2019-20/P3-PCC4 **Date: 20-07-2019**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: Package1 a Improvements to playgrounds at Thanisandra Village at Ward No 06 b Improvements to Suvarana Mahotsava Play Ground on Vidyaranyapura Main road at Ward No 09 c Improvements to playgrounds at Ward No 11 Kuvempunagarad Developmental Works to Play ground stadium in Ward No 05 Jakkur e Developmental works to Play ground Stadium Sahakaranagara Ward No 08 Kodigehalli.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Arun Kumar B.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	85-100	90 – 100
20mm	**62.50**	0 -20	30- 70
10mm	**30.70**	0 -5	10- 35
4.75mm	**4.25**	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**98.40**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**81.45**	60-95	75-100	85-100	
01.18	**58.05**	30-70	55-90	75-100	
600.mic	**47.90**	15-34	35-59	60-79	
300.mic	**17.70**	5-20	8-30	12-40	
150.mic	**8.30**	0-10	0-10	0-10	

KIRAN. R
M.E. (Civil-Engg)

Asst. Executive Engineer
Project Division
Yelahanka Zone

For Newzen Consultants Bangalore

Proprietor

NEWZEN CONSULTANT BANGALORE. #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/YPD/2019-20/P3-C5 **Date: 30-07-2019**

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Package1 a Improvements to playgrounds at Thanisandra Village at Ward No 06 b Improvements to Suvarana Mahotsava Play Ground on Vidyaranyapura Main road at Ward No 09 c Improvements to playgrounds at Ward No 11 Kuvempunagarad Developmental Works to Play ground stadium in Ward No 05 Jakkur e Developmental works to Play ground Stadium Sahakaranagara Ward No 08 Kodigehalli.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Arun Kumar B.

PHYSICAL TESTS ON CEMENT

Brand : ULTRATECH
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**176 min**	Shall not be less than 30 min
2	Final setting time	**265 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**1.85%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.23mm**	Shall not be more than 10 mm
5	Compressive strength e) 3 days (average of three results)	**28.75 N/Sq mm**	Shall not be less than 27 N/Sqmm

Page No. 1/1,

KIRAN. R
M.E, (Civil-Engg)

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

For Newzen Consultants Bangalore

Proprietor

NC/QC/YPD/2019-20/P3-PCC5 **Date: 30-07-2019**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: Package1 a Improvements to playgrounds at Thanisandra Village at Ward No 06 b Improvements to Suvarana Mahotsava Play Ground on Vidyaranyapura Main road at Ward No 09 c Improvements to playgrounds at Ward No 11 Kuvempunagarad Developmental Works to Play ground stadium in Ward No 05 Jakkur e Developmental works to Play ground Stadium Sahakaranagara Ward No 08 Kodigehalli.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Arun Kumar B.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	85-100	90 – 100
20mm	**64.30**	0 -20	30- 70
10mm	**34.90**	0 -5	10- 35
4.75mm	**4.15**	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**98.35**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**81.60**	60-95	75-100	85-100	
01.18	**72.35**	30-70	55-90	75-100	
600.mic	**36.45**	15-34	35-59	60-79	
300.mic	**17.25**	5-20	8-30	12-40	
150.mic	**6.95**	0-10	0-10	0-10	

K. R

KIRAN. R
M.E, (Civil-Engg)

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

For Newzen Consultants Bangalore

Proprietor

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/YPD/2019-20/P3-C6 Date: 20-07-2019

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Package1 a Improvements to playgrounds at Thanisandra Village at Ward No 06 b Improvements to Suvarana Mahotsava Play Ground on Vidyaranyapura Main road at Ward No 09 c Improvements to playgrounds at Ward No 11 Kuvempunagarad Developmental Works to Play ground stadium in Ward No 05 Jakkur e Developmental works to Play ground Stadium Sahakaranagara Ward No 08 Kodigehalli.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Arun Kumar B.

PHYSICAL TESTS ON CEMENT

Brand : ULTRATECH
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**176 min**	Shall not be less than 30 min
2	Final setting time	**275 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.15 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.09 mm**	Shall not be more than 10 mm
5	Compressive strength f) 3 days (average of three results)	**28.42 N/Sq mm**	Shall not be less than 27 N/Sqmm

KIRAN. R
M.E. (Civil-Engg)

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

For Newzen Consultants Bangalore

Proprietor

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/YPD/2019-20/P3-FA1 **Date: 20-07-2019**

1. TESTING OF FINE AGGREGATES :

Sub: Testing of Fine Aggregates.

{Project*: Package1 a Improvements to playgrounds at Thanisandra Village at Ward No 06 b Improvements to Suvarana Mahotsava Play Ground on Vidyaranyapura Main road at Ward No 09 c Improvements to playgrounds at Ward No 11 Kuvempunagarad Developmental Works to Play ground stadium in Ward No 05 Jakkur e Developmental works to Play ground Stadium Sahakaranagara Ward No 08 Kodigehalli.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Arun Kumar B.

TABLE - 1.1 : SIEVE ANALYSIS :

IS Sieve Size,mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -II	
04.75	**97.45**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**84.70**	60-95	75-100	85-100	
01.18	**74.10**	30-70	55-90	75-100	
600. mic	**52.65**	15.34	35-59	60-79	
300.mic	**24.05**	5-20	8-30	12-40	
150.mic	**6.20**	0-10	0-10	0-10	

TABLE 1.2 ;

Sl No	Test Conducted	Sample	Results	**Requirements** as Per IS. Specification IS :383-1970 (Reaffirmed 2002)
1	Bulking of Sand	001	**16.58 %**	-----
2	Silt Content	----	**0.63%**	Not more than 8%
3	Specific Gravity	----	**2.61**	-------

KIRAN. R
M.E. (Civil-Engg)

Page No. 1/1,

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

For Newzen Consultants Bangalore

Proprietor

NC/QC/YPD/2019-20/P3-CA1 **Date: 20-07-2019**

1. TESTING OF COARSE AGGREGATES (20 mm):

Sub: Testing of Construction Materials.

{Project*: Package1 a Improvements to playgrounds at Thanisandra Village at Ward No 06 b Improvements to Suvarana Mahotsava Play Ground on Vidyaranyapura Main road at Ward No 09 c Improvements to playgrounds at Ward No 11 Kuvempunagarad Developmental Works to Play ground stadium in Ward No 05 Jakkur e Developmental works to Play ground Stadium Sahakaranagara Ward No 08 Kodigehalli.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Arun Kumar B.

Table - 1.1 : SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2002) % Passing	
	20 mm Sample	Single size	Graded
40 mm	**100.00**	100.00	100.00
20 mm	**96.40**	85-100	90 - 100
10 mm	**38.70**	0 - 20	25 - 55
4.75 mm	**5.95**	0 - 5	0 - 10

TABLE 1.2 :

SL No	Test conducted	Results	Requirements as per IS:383-1970 & Tests Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2002)
1.	Flakiness Index	**23.60 %**	Not to exceed 25 %
2.	Crushing value	**26.45%**	Not to exceed 45 % for concrete other than for wearing surfaces and 30% for concrete for wearing surfaces

K.R KIRAN. R M.E. (Civil-Engg)

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

For Newzen Consultants Bangalore
Proprietor

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/YPD/2019-20/P3-S1 **Date: 20-07-2019**

1. TEST REPORT ON REINFORCEMENT STEEL:

Sub: Testing of Reinforcement Steel of diameter 10, 12 and 16 mm **TMT Steel.**

{Project*: Package1 a Improvements to playgrounds at Thanisandra Village at Ward No 06 b Improvements to Suvarana Mahotsava Play Ground on Vidyaranyapura Main road at Ward No 09 c Improvements to playgrounds at Ward No 11 Kuvempunagarad Developmental Works to Play ground stadium in Ward No 05 Jakkur e Developmental works to Play ground Stadium Sahakaranagara Ward No 08 Kodigehalli.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Arun Kumar B.

TABLE – 1

SL No	Details	For 10 mm		For 12 mm	
		Test Results	Min Req. as per IS 1786-2008	**Test Results**	Min Req. as per IS 1786-2008
01	Observed diameter of bar	**10.0 mm**	10.0 mm	**12.0 mm**	12.0 mm
02	Observed Wt/m Length **Kg/m**	**0.613**	0.567	**0.893**	0.834
03	Proof stress/Yield stress, fy , **N/mm^2**	**534.0**	500.0	**530.0**	500.0
04	Bend/ Re bend Test	**Ok**	---	**Ok**	---
05	Percentage of Elongation, %	**21.45**	12.00	**20.60**	12.00
06	Ultimate Tensile Strength **N/mm^2**	**645.0**	545.0	**649.0**	545.0

K.R
KIRAN. R
M.E. (Civil-Engg)

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP

For Newzen Consultants Bangalore
Proprietor

NEWZEN CONSULTANT BANGALORE, #13, 10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

Date: 20-07-2019

TABLE – 1

SL No	Details	For 16 mm	
		Test Results	Min Req. as per IS 1786-2008
01	Observed diameter of bar	**16.0mm**	16.0mm
02	Observed Wt/m Length **Kg/m**	**1.573**	1.483
03	Proof stress/Yield stress, fy , **N/mm^2**	**556.0**	500.0
04	Bend/ Re bend Test	**Ok**	---
05	Percentage of Elongation, %	**21.80**	12.00
06	Ultimate Tensile Strength **N/mm^2**	**635.0**	545.0

KIRAN. R
M.E, (Civil-Engg)

For Newzen Consultants Bangalore

Asst. Executive Engineer

Proprietor

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/YPD/2019-20/P3-SSM1 Date: 03-08-2019

1. TESTING OF STONE SAMPLE :

Sub: Testing of Size stone.

{Project*: Package1 a Improvements to playgrounds at Thanisandra Village at Ward No 06 b Improvements to Suvarana Mahotsava Play Ground on Vidyaranyapura Main road at Ward No 09 c Improvements to playgrounds at Ward No 11 Kuvempunagarad Developmental Works to Play ground stadium in Ward No 05 Jakkur e Developmental works to Play ground Stadium Sahakaranagara Ward No 08 Kodigehalli.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Arun Kumar B.

Technical Reference: IS 1121(Part 1) -1974 (R.A on 1998)

Table 1.1 :

SL No	Details of Tests	Observed Value	Normal Values
01	Compressive Strength	**1335.00** Kg/ Sqcm	Not less than 1000.00 Kg/Sqcm
02	Water absorption,%	**0.41 %**	Not more than 2.0 %

Page No. 1/1,

KIRAN. R
M.E, (Civil-Engg)

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

For Newzen Consultants Bangalore

Proprietor

NC/QC/YPD/2019-20/P3-SSM2 **Date: 09-08-2019**

1. TESTING OF STONE SAMPLE :

Sub: Testing of Size stone.

{Project*: Package1 a Improvements to playgrounds at Thanisandra Village at Ward No 06 b Improvements to Suvarana Mahotsava Play Ground on Vidyaranyapura Main road at Ward No 09 c Improvements to playgrounds at Ward No 11 Kuvempunagarad Developmental Works to Play ground stadium in Ward No 05 Jakkur e Developmental works to Play ground Stadium Sahakaranagara Ward No 08 Kodigehalli.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Arun Kumar B.

Technical Reference: IS 1121(Part 1) -1974 (R.A on 1998)

Table 1.1 :

SL No	Details of Tests	Observed Value	Normal Values
01	Compressive Strength	**1385.00** Kg/ Sqcm	Not less than 1000.00 Kg/Sqcm
02	Water absorption,%	**0.39 %**	Not more than 2.0 %

Page No. 1/1,

KIRAN. K
M.E. (Civil-Engg)

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

For Newzen Consultants Bangalore

Proprietor